

Abstract of the Disclosure:

A method of decoding a speech signal based on a CELP (Code Excited Linear Prediction) with improvement in degradation of decoded sound quality in a noise period.

5 The method includes the steps of: calculating a norm of an excitation vector for each fixed period in a noise period; smoothing the calculated norm using a norm obtained in a previous period; changing the amplitude of the excitation vector in the period using the calculated norm and the

10 smoothed norm; and driving a synthesizing filter by the excitation vector with the changed amplitude.

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